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TITLE: PRODUCTION OF ANTIMICROBIAL COATING FILM AND ANTIMICROBIAL COATING FILM FORMED THEREBY

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INVENTOR-INFORMATION:

NAME
SHIGERU, KEIJIRO
INOUE, YOSHITOMO
KURINO, YASUYUKI
YAZAWA, TAKAKO

ASSIGNEE-INFORMATION:

NAME	COUNTRY
SUMITOMO OSAKA CEMENT CO LTD	N/A

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ABSTRACT:

PROBLEM TO BE SOLVED: To obtain an antimicrobial coating film free from adverse effect as its discoloration due to the antimicrobial ingredient and affording antimicrobial effect such as mildewproofness and algaproofness, by applying an antimicrobial coating material containing a small amount of silver ultra-microparticles to form a coating film which, in turn, is heated at a specific temperature.

SOLUTION: This antimicrobial coating film is obtained by applying an antimicrobial coating material containing 0.001-1 wt.%, based on the matrix

resin, of silver ultra-microparticles ≤ 50 nm in average size to form a coating film, which, in turn, is heated at 150-250°C for pref. 20-80 min.

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